

Serial No. 10/627,093  
Docket No. AO694

Examiner: J. Alexander  
Art Unit: 3762

### IN THE CLAIMS

1. (Currently amended) A method of generating an out of zone alert when a sampled biomedical value does not satisfy a an effective condition, wherein the generation of the out of zone alert is performed by an indicator, and the sampled biomedical value is determined in a heartrate biomedical value monitoring system,

the method comprising the steps of:

not generating the out of zone alert when the sampled biomedical value fails to satisfy the effective condition until a sampled biomedical value is determined to satisfy the effective condition;

determining when the sampled biomedical value first satisfies the effective condition; and

thereafter, permitting the generation of the out of zone alert when the sampled biomedical value is determined not to satisfy the effective condition.

2. (Currently amended) A method of generating an out of zone alert when a sampled heartrate value is below a an effective threshold minimum value, wherein the generation of the out of zone alert is performed by an indicator, and the sampled heartrate value is determined in a heartrate monitoring system,

the method comprising the steps of:

not generating the out of zone alert when the sampled heartrate value is below the effective threshold minimum value until the effective threshold minimum value has been reached;

determining when the sampled heartrate value is at or above the effective threshold minimum value; and

permitting the generation of the out of zone alert when the sampled heartrate value falls below the effective threshold minimum value.

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3. (Currently Amended) The method as claimed in claim 2, including the step of enabling the indicator so that the indicator will generate the out of zone alert when the sampled heartrate falls below the effective threshold minimum value.
4. (Canceled)
5. (Currently Amended) The method as claimed in claim 2, including the steps of:  
determining a next sampled heartrate value and determining that it is less than the effective threshold minimum value; and  
generating the out of zone alert.
6. (Original) The method as claimed in claim 5, wherein the generation of the out of zone alert is performed audibly and/or visually.
7. (Currently Amended) The method as claimed in claim 2, including the step of inputting the effective threshold minimum value into the heartrate monitoring system.
8. (Currently amended) A method of generating an out of zone alert when a sampled heartrate value is above a an effective threshold maximum value, wherein the generation of the out of zone alert is performed by an indicator, and the sampled heartrate value is determined in a heartrate monitoring system,  
the method comprising the steps of:  
~~not generating the out of zone alert when the sampled heartrate value is below the threshold minimum value until the threshold minimum value has been reached;~~  
not generating the out of zone alert when the sampled heartrate value is above the effective threshold maximum value until the effective threshold maximum value is greater than a sampled heart rate;  
determining when the sampled heartrate value is above the effective threshold maximum value; and

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permitting the generation of the out of zone alert when a subsequent sampled heartrate value is above the effective threshold maximum value.

9. (Currently Amended) The method as claimed in claim 8, including the step of enabling the indicator so that the indicator will generate the out of zone alert when a sampled heartrate value exceeds the effective threshold maximum value.
10. (Currently Amended) The method as claimed in claim 8, including the steps of:  
repeatedly sampling heartrate values until the effective maximum threshold value exceeds a sampled heartrate value; and  
maintaining the inability to generate out of zone alerts until the effective maximum threshold value exceeds a sampled heartrate value.
11. (Currently Amended) The method as claimed in claim 8, including the steps of:  
determining a next sampled heartrate value and determining that it is greater than the effective threshold maximum value; and  
generating the out of zone alert.
12. (Original) The method as claimed in claim 8, wherein the generation of the out of zone alert is performed audibly and/or visually.
13. (Currently Amended) The method as claimed in claim 8, including the step of inputting the effective threshold maximum value into the heartrate monitoring system.
14. (Currently Amended) A method of generating an out of zone alert when a sampled heartrate value is outside a an effective Target Zone, wherein the generation of the out of zone alert is performed by an indicator, and the sampled heartrate value is determined in a heartrate monitoring system,  
the method comprising the steps of:

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~~not generating the out of zone alert when the sampled heartrate value is below the threshold minimum value until the threshold minimum value has been reached;~~

not generating the out of zone alert when the sampled heartrate value is outside the effective Target Zone value until a sampled heart rate value is determined to be within the effective Target Zone;

determining when a sampled heartrate is first within the effective Target Zone;  
and

thereafter permitting the generation of the out of zone alert when the sampled heartrate is determined to be outside the effective Target Zone.

15. (Currently amended) A method of generating an out of zone alert when a sampled heartrate value does not satisfy a an effective condition, wherein the generation of the out of zone alert is performed by an indicator, and the sampled heartrate value is determined in a heartrate monitoring system, the method comprising the steps of:

determining whether the sampled heartrate fails to satisfy the effective condition for more than a predetermined continuous period of time, and  
if so:

suppressing further generation of the out of zone alert even if a next successive sampled heartrate value fails to satisfy the effective condition, and continually suppressing further generation of the out of zone alert for successive sampled heartrate values that fail to satisfy the effective condition until a sampled heartrate value satisfies the effective condition, and when the sampled heartrate value does satisfy the effective condition, indicating that the sampled heartrate value has satisfied the effective condition,

if not:

generating the out of zone alert.

Claims 16-17: (Canceled)

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18. (Currently amended) The method as claimed in claim 15, including the step of generating an out of zone indication if a successive sampled heartrate value fails to satisfy the effective condition.
19. (Previously Presented) The method as claimed in claim 15, wherein the condition is that the sampled heartrate value is within a Target Zone.
20. (Previously Presented) The method as claimed in claim 15, wherein the condition is that the sampled heartrate value is above a threshold minimum value.
21. (Previously Presented) The method as claimed in claim 15, wherein the condition is that the sampled heartrate value is below a threshold maximum value.

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